## Youth Organized for Disaster Action – Y.O.D.A. Best Practices – Curriculum Web

#### **English/Language Arts:**

- Writing pamphlets, brochures, and other educational materials related to the drill and its purpose.
- Reading various research and best practices related to bioattack drills and other similar efforts
- Writing letters and communicating with various emergency management officials, corporations, etc to acquire donations, information, etc.

#### Math:

- Looking at rates of infection from attacks including rates of geographic distribution
- Planning of actual drill what materials are needed, how much do they cost
- Researching previous rates of success and benchmark data related to disaster response (i.e. the number of patients served by local hospitals, the number of emergency responders needed to handle situation) to both determine the scope of the drill to be planned and then once conducted, to determine the relative success of the drill.
- Designing and implementing surveys and then analyzing the data to determine impact of community and student involvement in drill.

## Science:

- Researching how biological weapons work?
  Where do they come from? How are they different from other weapons (conventional, chemical, nuclear)
- Using the scientific method to evaluate the impact of the program i.e. did this project work?

#### Health:

Researching the public health implications of biological attacks. What are long-term outcomes? What can we put in place today to reduce those negative outcomes?

# **Social Studies:**

- Understanding the historical context of the development of such weapons. How have various countries including our own responded to these threats? What is the current context why is this an important threat today?
- Understanding the complexities of various government entities and agencies, non-governmental groups, etc which organizations are participating in this drill, how to they work together, what are their specific responsibilities?
- Writing letters to elected officials to inform them of the project

# **Bioattack Drill**

**Family Involvement:** 

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# **Workforce Development:**

- Researching various careers related to emergency management and understanding the long-term training needs of such professions.
- Participating in actual project management to the extent that students plan and/or manage the drill itself or simply participate as "victims."
- Invite the local Medical Reserve Corps coordinator to meet with students.

### Foreign Language:

- Translating any and all relevant materials (including Braille and sign language as appropriate)
- Researching how language barriers can obstruct emergency response efforts
- Researching what different languages are spoken in the community to inform emergency response and preparation activities

## Art:

 Make-up artistry – how to apply make up to simulate appropriate effects of disasters